



1631

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1631**BEAM POWER AMPLIFIER***For applications critical as to uniformity of characteristics*

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.45	amp.
Plate Dissipation	16 max. watts	

Other ratings, characteristics, dimensions, and socket connections for the 1631 are the same as those for Type 6L6. Typical operating data for the 6L6 also apply to the 1631 within the limitation of the maximum plate-dissipation rating.

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BEAM POWER AMPLIFIER*For applications critical as to uniformity of characteristics*

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.6	amp.
Plate Voltage	117 max. volts	
Screen Voltage	117 max. volts	
Plate Dissipation	5.5 max. watts	

Dimensions and socket connections for the 1632 are the same as for Type 25L6. Typical operating data for the 1632 are the same within its plate voltage and dissipation limitations as for the 25L6.

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TWIN-TRIODE AMPLIFIER*For applications critical as to matching of the two triode units*

Heater	Coated Unipotential Cathode	
Voltage	25	a-c or d-c volts
Current	0.15	amp.

Direct Interelectrode Capacitances (Approx.):^o

	<u>Triode Unit T₁</u>	<u>Triode Unit T₂</u>	
Grid to Plate	3.6	3.6	μuf
Grid to Cathode	3.0	2.8	μuf
Plate to Cathode	0.8	1.2	μuf

Maximum Overall Length 3-5/16"

Maximum Seated Height 2-3/4"

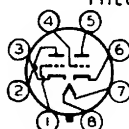
Maximum Diameter 1-5/16"

Bulb T-9

Base Intermediate Shell Octal 8-Pin

Pin 1 - Grid T₂ Pin 5 - Plate T₁Pin 2 - Plate T₂ Pin 6 - Cathode T₁Pin 3 - Cathode T₂ Pin 7 - HeaterPin 4 - Grid T₁ Pin 8 - Heater

Mounting Position Any



BOTTOM VIEW (8BD)

For convenience, one triode unit is identified as T₁; the other as T₂.

^o See next page.

Nov. 15, 1945

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DATA

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TWIN-TRIODE AMPLIFIER

(continued from preceding page)

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER - Each Unit

Plate Voltage	300 max. volts
Grid Voltage	0 min. volts
Cathode Current	20 max. ma.
Plate Dissipation	2.5 max. watts
D-C Heater-Cathode Potential	90 max. volts

Characteristics - Class A₁ Amplifier:

Plate Voltage	250	volts
Grid Voltage*	-8	volts
Amplification Factor	18	
Plate Resistance	6900	ohms
Transconductance	2600	μmhos
Plate Current	11.5	ma.

0 With no external shield.

The d-c resistance in the grid circuit should not exceed 1.0 megohm under maximum rated conditions per unit.

Curves for Type 1633 are the same as for the 6J5, and 6SN7-GT.

1634

TWIN-TRIODE AMPLIFIER

For applications critical as to matching of the two triode units

Maximum ratings, characteristics, dimensions, and socket connections for the 1634 are the same as for Type 12SC7.

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